## Haier



## **HH3P Serials** (Haier Three-phase High Voltage)



 Model
 HH3P-5KA1-HU
 HH3P-6KA1-HU
 HH3P-8KA1-HU
 HH3P-10KA1-HU



Input DC (PV side) Recommended max. PV power	8 kW	9.6 kW	12.8 kW	16 kW	
Max. input voltage	ONVV		000 V	1 TORVV	
Rated voltage	600 V				
Start-up voltage	160 V				
1PPT voltage range			- 850 V		
Max. input current		16 A / 16 A		/16 A / 16 A	
Max. short circuit current	24A / 24 A / 24 A			24A / 24 A / 24 A	
MPPT number	3	3	4	4	
Max. number of input strings per MPPT	1	1	1	1	
Battery Battery type		1:	ion		
Battery voltage range	<u>Li - ion</u> 120 - 600 V				
Max. charge / discharge power	5 kW	6 kW	8 kW	10 kW	
Max. charge / discharge current	25 A	25 A	50 A	50 A	
Communication	=07.		/ RS 485		
Output AC (Grid side)					
Rated output power	5 kW	6 kW	8 kW	10 kW	
1ax. apparent output power	5 kVA	6 kVA	8 kVA	10 kVA	
ated grid voltage			E, 380 / 400 V		
Rated grid frequency	701/70		60 Hz	4	
Rated grid output current	7.6 A / 7.2 A	9.1 A / 8.7 A	12.2 A / 11.5 A	15.2 A / 14.4 A	
Max. output current	7.6 A / 7.2 A	9.1 A / 8.7 A	12.2 A / 11.5 A	15.2 A / 14.4 A	
ower factor HDi	> 0.99 ( 0.8 leading - 0.8 lagging ) < 3 %				
nput AC (Grid side)			J /U		
Max. input power	7.5 kW	9 kW	12 kW	15 kW	
Rated input current	11.4 A	13.8 A	18.2 A	22.8 A	
Rated input voltage	3L /N/PE, 380 / 400 V				
Rated input frequency	50 / 60 Hz				
Output AC (Back-up)					
Rated output power	5 kW	6 kW	8 kW	10 kW	
1ax. apparent output power	8 kVA, 60 sec	9.6 kVA, 60 sec	12.8 kVA, 60 sec	16 kVA, 60 sec	
Back-up switch time	<10 ms				
Rated output voltage	3L/N/PE, 380/400V				
Rated frequency Rated output current	50/60 Hz 7.6 A/7.2 A 9.1 A/8.7 A 12.2 A/11.5 A 15.2 A/14.4 A				
FHDv (@linear load)	7.6A77.ZA		2 %	15.2 A / 14.4 A	
Efficiency			2 70		
Max. efficiency	97.90%	97.90%	98.00%	98.00%	
EU efficiency	96.80%	97.10%	97.40%	97.50%	
rotection			0111010		
Anti-islanding protection		Yes, Active I	Frequency Drift		
ntegrated AFCI (DC arc-fault circuit protection)	Yes				
nsulation Resistor detection Residual current monitoring unit	Yes Yes				
Output over current protection	Yes Yes				
Output short protection	Yes				
Output over voltage protection	Yes				
ntegrated DC switch	Yes				
OC reverse-polarity protection	Yes				
V over voltage protection	Yes				
Battery reverse protection	·		íes –		
General Data					
Dimensions (W * H * D)			600 * 500		
Veight	27.	.58 kg		8 kg	
Topology Catagon:			ormerless		
Overvoltage Category	III(Main) II(PV)				
Self-consumption (night)	< 25 W				
Operating ambient temperature range rotection rating	-25 ~ + 60°C IP66				
Cooling concept	Natural convection				
Max. operation altitude	Natural Convection 4000 m				
irid connection standard	AS/NZ\$ 4777.2:2020				
afety / EMC standard			IEC/EN 61000-6-1/-3		
eatures					
V connection		MC4 co	onnector		
Battery connnection	Quick connection plug				
AC connection	Quick connection plug				
	LED + Bluetooth + APP				
Display screen		LED + Bluet	LOULITY AFF		
Display screen Communication			ernet, Wi-Fi, LAN		

 $<sup>^{1}</sup> Only inverters of the same brand and power range are supported for parallel, and the battery capacity under each inverter should be the same. \\$ 

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